

DOCKET NO.: ISIS-4976

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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ronnie C. Hanecak, et al.

Serial No.: 10/038,335

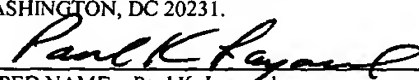
Group Art Unit: Not Yet Assigned

Filing Date: January 2, 2002

Examiner: Not Yet Assigned

For: MODULATION OF TELOMERE LENGTH BY OLIGONUCLEOTIDES

DATE OF DEPOSIT: 4 FEBRUARY 2002  
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REGISTRATION NO.: 38,534

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- ☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued

examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

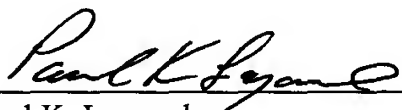
- ☒ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☒ Copies of references AA-AE listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. 08/403,888, filed June 12, 1995.
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date: 4 FEBRUARY 2002

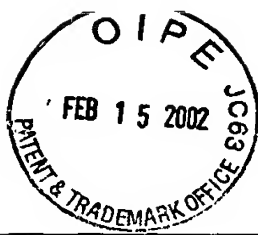
  
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ISIS-4976</b>	Serial No. <b>10/038,335</b>
		Applicant <b>Ronnie C. Hanecak, et al.</b>	
		Filing Date <b>January 2, 2002</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Counter, C., et al., "Telomere shortening associated with chromosome instability is arrested in immortal cells which express telomerase activity," <i>The EMBO J.</i> , <b>1992</b> , <i>11</i> (5), 1921-1929	
	<b>AB</b>	Far, et al., "Functional reintroduction of human telomeres into mamalian cells," <i>PNAS USA</i> , <b>1992</b> , <i>88</i> , 7006-7010	
	<b>AC</b>	Greider, C., "Telomeres," <i>Current Opinion in Cell Biology</i> , <b>1991</b> , <i>3</i> , 444-451	
	<b>AD</b>	Harley, C., et al., "Telomeres shorten during ageing of human fibroblasts," <i>Nature</i> , <b>1990</b> , <i>345</i> , 458-460	
	<b>AE</b>	Hastie, N.D., et al., "Telomere reduction in human colorectal carcinoma and with ageing," <i>Nature</i> , <b>1990</b> , <i>346</i> , 866-868	
	<b>AF</b>	Herbert, B.S., et al., "Inhibition of human telomerase in immortal human cells leads to progressive telomere shortening and cell death," <i>PNAS</i> , December 7, <b>1999</b> , <i>96</i> (25), 14276-14281	
	<b>AG</b>	Norton, J.C., et al., "Inhibition of human telomerase activity by peptide nucleic acids," <i>Nature Biotechnology</i> , May <b>1996</b> , <i>14</i> , 615-619	
	<b>AH</b>	Williamson, J.R., "Guanine quartets," <i>Current Opinion in Structural Biology</i> , <b>1993</b> , <i>3</i> , 357-362	
	<b>AI</b>	Zahler, A.M., et al., "Inhibition of telomerase by G-quartet DNA structures," <i>Nature</i> , April 25, <b>1991</b> , <i>350</i> , 718-720	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



<b>Form PTO-1449 M dified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. <b>ISIS-4976</b>		Serial No. <b>10/038,335</b>	
				Applicant <b>Ronnie C. Hanecak, et al.</b>			
				Filing Date <b>January 2, 2002</b>		Group <b>Not Yet Assigned</b>	
<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	<b>AJ</b>	5,837,857	11/17/98	Villeponteau, et al.	536	24.31	
	<b>AK</b>	5,958,680	09/28/99	Villeponteau, et al.	435	6	
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation YES NO</b>		
	<b>AL</b>	WO 95/13382	05/18/95	PCT			
	<b>AM</b>	WO 96/01614	01/25/96	PCT			
	<b>AN</b>	WO 96/01835	01/25/96	PCT			
	<b>AO</b>	WO 97/38013	10/16/97	PCT			
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			